

## **SELECTIVE NOISE GENERATOR**

### **ABSTRACT**

System and methods are provided for selective noise generation. A delta-sigma modulator receives digital input and produces a digital output. A digital-to-analog converter converts the digital output into an analog output. The analog output comprises quasi-random noise having at least one low noise frequency band. The low noise frequency bands have respective associated shapes and center frequencies. A frequency control controls the delta-sigma modulator to alter one of the respective center frequency and the shape of the at least one low noise frequency band.